### JOURNAL CONTENTS

# VOL. 34, 1955

January		March			page
	page		page	"The Significance of Machine	
"Education and Research for		"Education and Research for		Tools in the Australian Eco-	
Production " by H. W. Wright-		Production " by Professor E. J.	100	nomy" by H. Grafton,	
Baker, D.SC., M.I.MECH.E "The Development and Manufac-	1	Richards, M.A., B.SC  Third Conference on Problems of Pro-	129	DIPL., A.M.I.E (AUST.), A.M.J.MECH.E., A.M.J.PROD.E	
ture of Jig Boring Machinery "		duction		"The Practical Uses of Electronics	200
by W. H. Jaye, B.SC.ENG.(LOND)	5	Programme	132	in Industry" by K. A. Zands-	
"What is Good Design?" by Sir		Session I. "Aircraft Design		tra, A.M.I.E.E	288
Walter Puckey, M.I.PROD.E.,		Problems and Trends " by A.		"Training in Work Study, with	-
F.I.I.A	17	E. Woodward-Nutt, M.A.,		detailed reference to the Case	
New Building Fund Appeal	27	F.R.Ae.s Discussion	133	Study Method in Applied Work	
" Development of Machine Pro-		Discussion	146	Study''by J. Purcell,	005
duction in the Shoe Industry"	28	Conference Luncheon	149	A.M.I.PROD.E	305
by J. H. Britton, J.P "Colour Printing Process and Pro-	20	Session II (i) "Problems of Forging" by G. W. Richards	152	"Ultrasonic Tools for Hard-to- Materials" by J. P. Aloisio and	
duction in a Printing Industry"		Session II (ii) "Machining and	134	N. Clark, Jr	315
by H. I. Jarrold	32	Forming Problems of Integral		Notice of Council Elections, 1955/	313
"Time, Space and Productivity"		Construction " by E. D. Keen,		56	320
by A. B. Waring	36	B.SC. (ENG.), F.R.AE.S. and A. W.		Institution Notes	
The 1955 Associate Membership		Menzies	158	News of Members	322
Examination	39	Joint Discussion	180	Hazleton Memorial Library	323
Institution Notes	40	Report of the Annual General	100		
"The Automatic Factory-What	41	Meeting, January, 1955	189	June	
Does It Mean?"	41 43	Report of the Meeting of Council,	190	WALLES OF THE STATE OF THE STAT	
News of Members Hazleton Memorial Library	44	January, 1955 Election of Members	192	"Automation in the United King-	331
Periodicals Currently Received	46	Extracts from Local Section Re-	132	dom "	331
Notice of Annual General Meeting,		ports	193	duction—A User's Experience"	
27th January, 1955	48	News of Members	197	by W. E. Wright, A.F.R.AE.S.,	
Minutes of Annual General Meet-				A.M.I.MECH.E., A.M.I.PROD.E	334
ing, 28th January, 1954	48			" Production Methods in Railway	-
Report on Election of Members to	40	April		Workshops" by T. B. Mad-	
Council, 1954/55	49	16 E 1 .: 1 B 1 6		dison, B.E.M., A.M.I.PROD.E.,	
Report of Council, 1st July, 1953	50	"Education and Research for Production" by C. L. Old,		M.I.LOCO.E	356
to 30th June, 1954	30	B.SC.(ENG.), A.G.G.I.,		"Some Provocative Thoughts on	
		M.SC. (TECH.), M.INST.C.E.,		Aircraft Tooling Methods" by S. P. Woodley, M.B.E	378
Fahrmann		M.I.MECH.E., M.I.PROD.E	201	Report of the Meeting of Council,	370
February		Third Conference on Problems of Ai	rcraft	April, 1955	387
"Education and Research for		Production		Elections and Transfers	389
Production "-Address by Lord		Programme	204	Extracts from Local Section	
Hives, C.H., M.B.E., D.SC., LL.D.,		Session III. "High Speed		Reports	390
at the Annual Dinner of the	CE	Machine Tools for Aircraft Production" by S. Radcliffe,		Institution Notes	395
City and Guilds College	65	B.SC. (TECH.), A.M.I.MECH.E.,		News of Members	397
The 1954 Viscount Nuffield Paper "The Corps of Royal Electrical		M.I.PROD.E	205	Hazleton Memorial Library	398
and Mechanical Engineers and		Discussion	224		
the Application of Modern		Session IV. "Where Do We		July	
Management and Production		Go From Here?" by W. E. W.		Sir Leonard Lord, K.B.E., Presi	
Techniques" by Major-General		Petter, C.B.E., B.A., F.R.AE.S	227	dent of the Institution, 1955/56,	
W. A. Lord, C.B., C.B.E., M.ENG.,		"The Industrial Uses of Tery-		503	3, 480
M.I.MECH.E., M.I.E.E	68	lene 'Polyester Fibre " by D.	991	"The Automatic Factory-What	
Report and Discussion	79	N. Marvin	231	Does It Mean?" (Margate	
"Automatic Transfer Production"		in Ford Production Methods "		Conference)	
by Frank G. Woollard, M.B.E., M.I.MECH.E., M.I.PROD.E.,		by J. McNulty	239	First Plenary Session. "The Auto-	
M.I.I.A., M.S.A.E.	85	Institution Notes	249	matic Factory — Dream or	
"Automation" - A Select Bib-	-	News of Members	251	Puckey	406
bliography	100	Hazleton Memorial Library	252	Nightmare?" by Sir Walter Puckey Discussion Group 1A. "The Auto-	100
"A Job Evaluated Wages				matic Mechanical Project Fac-	
Structure" by R. N. Marland,				tory—A Sight of Things to Come" by H. J. Graves,	
B.SC., A.M.I.MECH.E., M.I.PROD.E.	102	May		Come" by H. J. Graves,	
" Modern Cold Rolling Mills " by	***	WELL COLD IN S		M.I.PROD.E.	421
G. W. Ashton Institution Notes "The Automatic Factory—What	111 120	"Education and Research for Production" by K. J. Hume,		Discussion Group 1B. "Automation	
"The Automatic Factory_What	120	B.SC., M.I.MECH.E., M.I.PROD.E.	261	—Some Problems for the Mana-	491
Does It Mean?"	121	"The Basic Nomenclature of Cut-	201	ger" by F. Garner, M.I.MECH.E. Discussion Group 1C. "The Com-	431
News of Members	122	ting Tools" by G. V. Stabler,		puter — Electronics' Contri-	
Hazleton Memorial Library	123	B.SC., M.I.MECH.E., M.I.PROD.E.,		bution to Production" by R.	
New Building Fund Appeal	123	M.I.E.I	264	H. Booth	442

### JOURNAL CONTENTS

# VOL. 34, 1955

January		March			page
	page		page	"The Significance of Machine	
"Education and Research for		"Education and Research for		Tools in the Australian Eco-	
Production " by H. W. Wright-		Production " by Professor E. J.	100	nomy" by H. Grafton,	
Baker, D.SC., M.I.MECH.E "The Development and Manufac-	1	Richards, M.A., B.SC  Third Conference on Problems of Pro-	129	DIPL., A.M.I.E (AUST.), A.M.J.MECH.E., A.M.J.PROD.E	
ture of Jig Boring Machinery "		duction		"The Practical Uses of Electronics	200
by W. H. Jaye, B.SC.ENG.(LOND)	5	Programme	132	in Industry" by K. A. Zands-	
"What is Good Design?" by Sir		Session I. "Aircraft Design		tra, A.M.I.E.E	288
Walter Puckey, M.I.PROD.E.,		Problems and Trends " by A.		"Training in Work Study, with	-
F.I.I.A	17	E. Woodward-Nutt, M.A.,		detailed reference to the Case	
New Building Fund Appeal	27	F.R.Ae.s Discussion	133	Study Method in Applied Work	
" Development of Machine Pro-		Discussion	146	Study''by J. Purcell,	005
duction in the Shoe Industry"	28	Conference Luncheon	149	A.M.I.PROD.E	305
by J. H. Britton, J.P "Colour Printing Process and Pro-	20	Session II (i) "Problems of Forging" by G. W. Richards	152	"Ultrasonic Tools for Hard-to- Materials" by J. P. Aloisio and	
duction in a Printing Industry"		Session II (ii) "Machining and	134	N. Clark, Jr	315
by H. I. Jarrold	32	Forming Problems of Integral		Notice of Council Elections, 1955/	313
"Time, Space and Productivity"		Construction " by E. D. Keen,		56	320
by A. B. Waring	36	B.SC.(ENG.), F.R.AE.S. and A. W.		Institution Notes	
The 1955 Associate Membership		Menzies	158	News of Members	322
Examination	39	Joint Discussion	180	Hazleton Memorial Library	323
Institution Notes	40	Report of the Annual General	100		
"The Automatic Factory-What	41	Meeting, January, 1955	189	June	
Does It Mean?"	41 43	Report of the Meeting of Council,	190	WALLES OF THE STATE OF THE STAT	
News of Members Hazleton Memorial Library	44	January, 1955 Election of Members	192	"Automation in the United King-	331
Periodicals Currently Received	46	Extracts from Local Section Re-	132	dom "	331
Notice of Annual General Meeting,		ports	193	duction—A User's Experience"	
27th January, 1955	48	News of Members	197	by W. E. Wright, A.F.R.AE.S.,	
Minutes of Annual General Meet-				A.M.I.MECH.E., A.M.I.PROD.E	334
ing, 28th January, 1954	48			" Production Methods in Railway	-
Report on Election of Members to	40	April		Workshops" by T. B. Mad-	
Council, 1954/55	49	16 E 1 .: 1 B 1 6		dison, B.E.M., A.M.I.PROD.E.,	
Report of Council, 1st July, 1953	50	"Education and Research for Production" by C. L. Old,		M.I.LOCO.E	356
to 30th June, 1954	30	B.SC.(ENG.), A.G.G.I.,		"Some Provocative Thoughts on	
		M.SC. (TECH.), M.INST.C.E.,		Aircraft Tooling Methods" by S. P. Woodley, M.B.E	378
Fahrmann		M.I.MECH.E., M.I.PROD.E	201	Report of the Meeting of Council,	370
February		Third Conference on Problems of Ai	rcraft	April, 1955	387
"Education and Research for		Production		Elections and Transfers	389
Production "-Address by Lord		Programme	204	Extracts from Local Section	
Hives, C.H., M.B.E., D.SC., LL.D.,		Session III. "High Speed		Reports	390
at the Annual Dinner of the	CE	Machine Tools for Aircraft Production" by S. Radcliffe,		Institution Notes	395
City and Guilds College	65	B.SC. (TECH.), A.M.I.MECH.E.,		News of Members	397
The 1954 Viscount Nuffield Paper "The Corps of Royal Electrical		M.I.PROD.E	205	Hazleton Memorial Library	398
and Mechanical Engineers and		Discussion	224		
the Application of Modern		Session IV. "Where Do We		July	
Management and Production		Go From Here?" by W. E. W.		Sir Leonard Lord, K.B.E., Presi	
Techniques" by Major-General		Petter, C.B.E., B.A., F.R.AE.S	227	dent of the Institution, 1955/56,	
W. A. Lord, C.B., C.B.E., M.ENG.,		"The Industrial Uses of Tery-		503	3, 480
M.I.MECH.E., M.I.E.E	68	lene 'Polyester Fibre " by D.	991	"The Automatic Factory-What	
Report and Discussion	79	N. Marvin	231	Does It Mean?" (Margate	
"Automatic Transfer Production"		in Ford Production Methods "		Conference)	
by Frank G. Woollard, M.B.E., M.I.MECH.E., M.I.PROD.E.,		by J. McNulty	239	First Plenary Session. "The Auto-	
M.I.I.A., M.S.A.E.	85	Institution Notes	249	matic Factory — Dream or	
"Automation" - A Select Bib-	-	News of Members	251	Puckey	406
bliography	100	Hazleton Memorial Library	252	Nightmare?" by Sir Walter Puckey Discussion Group 1A. "The Auto-	100
"A Job Evaluated Wages				matic Mechanical Project Fac-	
Structure" by R. N. Marland,				tory—A Sight of Things to Come" by H. J. Graves,	
B.SC., A.M.I.MECH.E., M.I.PROD.E.	102	May		Come" by H. J. Graves,	
" Modern Cold Rolling Mills " by	***	WELL COLD IN S		M.I.PROD.E.	421
G. W. Ashton Institution Notes "The Automatic Factory—What	111 120	"Education and Research for Production" by K. J. Hume,		Discussion Group 1B. "Automation	
"The Automatic Factory_What	120	B.SC., M.I.MECH.E., M.I.PROD.E.	261	—Some Problems for the Mana-	491
Does It Mean?"	121	"The Basic Nomenclature of Cut-	201	ger" by F. Garner, M.I.MECH.E. Discussion Group 1C. "The Com-	431
News of Members	122	ting Tools" by G. V. Stabler,		puter — Electronics' Contri-	
Hazleton Memorial Library	123	B.SC., M.I.MECH.E., M.I.PROD.E.,		bution to Production" by R.	
New Building Fund Appeal	123	M.I.E.I	264	H. Booth	442

Electrons and Automation "by A. G. Percock, B.Sc., Ast. E. 49  M. G. Percock, B.Sc., Ast. E. 49  M. Shart. A. 40  M. Shart. A		page		page		page
A. G. Peacock, B.S.C., A.B.L.C., M.B.STLP. B. A.B.STLP. B. B. A.B.STLP. B. B. A.B.STLP. B. A.B.S	Discussion Group 3A. "Atoms,		Discussion Group 2C. "Automatic		" Medical and Industrial Re-	
MASSIT.P	Electrons and Automation " by		Inspection—The Anatomy of		habilitation in Great Britain"	
MASSIT.P	A. G. Peacock, B.SC., A.R.I.C.,		Conscious Machines " by J. A.		by T. M. Ling, M.D., M.R.C.P.	695
August  August		449	Sargrove, M.I.E.E., M.BRIT.I.R.E.,		" Production Control in Industry "	
4th May, 1955 of Sender Memorial Lecture Location Locatio	Conference of Standards Engineers.				by F. G. S. English, M.I.PROD.E.	697
The 1954 Gong Bay Memorial Lecture "Engineering and Production Aspects of Symbetic Fibre Douglas, Mark. M. 14800.14	4th May 1955	457		563		700
Lecture  Eagmerring and Production Aspects of Symthetic Fibre Manufacture* by Robins of Code 2 (1) J. A. Stokes, Bacc. Aspects of Symthetic Fibre Manufacture* by Robins of Code 2 (1) J. A. Stokes, Bacc. Aspects of Symthetic Fibre Manufacture* by Robins of Code 2 (1) J. A. Stokes, Bacc. Aspects of Meeting and Discussion of Code 2 (1) J. A. Stokes, Bacc. Aspects of Meeting and Discussion of Code 2 (1) J. A. Stokes, Bacc. Aspects of Meeting and Discussion of Code 2 (1) J. A. Stokes, Bacc. Aspects of Education State Pulse of Meeting of Council Electrons, 1955; 56 and 19 J. A. Stokes, Bacc. Aspects of Education State Pulse of Meeting of Council Electrons and Plant's Aspects of Education Memoral Library 70 (1) J. A. Stokes, Bacc. Aspects of Education Aspects of Education for Poduction Production Production The Motor Care by Stream of Meeting of Council Matthew, Ph.D. (CANTAR), Aspects of Education Memoral Library 70 (1) J. A. Stokes, Bacc. Aspects of Education Memoral Library 70 (1) J. A. Stokes, Bacc. Aspects of Education New Production Memoral Library 70 (1) J. A. Stokes, Bacc. Aspects of Education New Production Memoral Library 70 (1) J. A. Stokes, Bacc. Aspects of Education New Sol Members 480 (1) J. A. Stokes, Bacc. Aspects of Education New Sol Members 481 (1) J. A. Stokes of Members 481 (1) J. A. Stokes of Members 482 (1) J. A. Stokes of Members 482 (1) J. A. Stokes of Members 484 (1) J. A. Stokes of Members 485 (1) J. A. Stokes of Members 484 (1) J. A. Stokes of Me			Discussion Croub AD " Automatic	500		
"Tools" by J. A. Stokes, B.S.C. ASJALE J. STOKE Manufacture by Robert Douglas, Males, M., 1903. Report of Meeting and Dis- The Principal Officers, 1955.56 441 News of Members 441 News of			Electronic Control of Machine			
Aspects of Symthetic Fibre Manufacture* by Robert Douglas, M.B.E., M.LENGOLE  **Discussion Group 2 E.** The Engineer and the Automatic Factory Frenchical Officers, 1955;56  **481 News of Members					mazicion Memoriai Library	103
Manufacture "h v Robert Douglas, M.R.E., M.J.PROD 466 Report of Meeting and Discussion of the Automatic Factory - A Challenge to the University "b y Professor I L. Matthew, Ph.D. (CANTAR), M.S.C. (ENDY - Discussion Group 3R. "The Automatic Factory by the Automatic Factory" by the Automatic Factory" by the Automatic Factory by C. I. Colde, Ph. S.C. (ENDY - D. M. M. M.R.E., L. M.J.R. & C. (L. M. M.R.E., M.J.R. & C. (L. M. M.R.E., M.J.R. & C. (L. M. M.R.E., M.J.R. & C.) Discussion Group 1D. "The Engineer and the Automatic Factory" by the Automatic Factory" by C. College "by C. I. Old, B. S.C. (ENG)   A. C. G. I. M.S.C. (ENG)   A. C.	Engineering and Production					
Douglas, M.B.E. M.LEROD.E 460 Report of Meeting and Discussion of Meeting and Discussion of Congruence Papers  August  Au	Aspects of Synthetic Fibre		A.M.I.E.E	5/5		
August  August  Presentation to Sir Walter Puckey Margate Confermer Papers Session. Technical and Human Problems of the Automatic Factory with College. By C. L. Old, B. Sc. (Ers. N.). A. C. G. J. M. M. S. C. (FECH.). M. M.	Manufacture" by Robert		Discussion Group 2E. "The Engi-			
August  August  August  August  Presentation to Sir Walter Puckey Margate Conference Papers  Automatic Factory 'by the R. Hon. The Eagineer and the Automatic Factory 'by the R. Hon. The Eagineer and the Automatic Factory—A. A. A.C. A. Discussion Group 1.B. "The Automatic College" by C. I. Old, B. S.C. (EN. D.), A.C. G. 1.1, M.S.C. (TECH.), M.INST. G.E. H. M. I. M. S. C. (TECH.), M. MIST. G.E. H. M. I. M. S. C. (TECH.), M. M. S. C. (TECH.),					November	
The Principal Officers, 1935;56 480 Council Electrons, 1935;56 481 News of Members	Report of Meeting and Dis-		-A Challenge to the Univer-		. 1010111001	
The Principal Officers, 1955;56 480 Council Electrons, 1955;56 481 News of Members			sity" by Professor T. U.		" Designing for Production—The	
News of Members	The Principal Officers, 1955/56	480	Matthew, PH.D. (CANTAB.).		Motor Car" by Sir Leonard	
August  August  August  August  August  Presentation to Sir Walter Puckey Margate Conference Papers  Second Plenary Session. "Technical and Human Problems of the Automatic Factory" by the R. Hon. The Earl of Habsbury, F.E.L.G., F.ENST.D. "The Engineer and Habsbury, F.E.L.G., F.ENST.D." The Engineer and the Automatic Factory—The Automatic College "by C. L. Old, B. S.G. (ENG.), A.G.G. 1.  M.S.C. (ERG.), M.S.C. (ERG.), A.G.G. 1.  Discussion Group J.E. "The Automatic Transfer Machines" by P. Treatical Lectures—A Successful Experient Machines" by P. Treatical Lectures—A Successful Experient Machines" by P. Treatical Lectures—A Successful Experient Machines of W. M. Seaman, M.S.C., M.MEGLE, M.L.PROD.E.  Discussion Group J.E. "Automatic Control in the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group J.E. "Automatic Control in the Petroleum Industry—A Case Study by I. Magate Conference Papers  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man "by F. G. Woolland, M.B.E.M.L.BAGELE.  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Education for Production Engineering "by H. Semante Control "by P. Bourgeois "					Lord KRE President of the	
Discussion Group 3.6. "The Automatic Control in the Petroleum Industry—A Automatic Transfer Machines" by P. Bezier			A P T C (CLASCOW)	582		711
August  August  Presentation to Sir Walter Puckey Margate Conference Papers Second Plenary Session. "Technical and Human Problems of the Automatic Factory" by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory by the Rt. Hon. The Early Human Problems of the Automatic Factory—The Automatic College by C. L. Old, B. S.C. (ENG.), A.C.G. G. I.  M.S.C. (ERG.), M.A.C.B. Discussion Group 1D. "The Early Human Problems of the Automatic Factory—The Age of Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A.C.B. Human Problems of the Automatic Factory—The Age of Harmony, Leisure and Plenty? by Professor B. R. Williams, B.A.C.B. Human Problems of the Automatic Conference Papers The Standing Committees, 1955.66 — 625  Discussion Group 1D. "Automatic Control in the Petroleum Industry—A Case Study by I. Memory 2D. "Automatic Control in the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 2D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 2D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Automatic Control In the Petroleum Industry—A Case Study by I. Magate Conference Papers Discussion Group 4D. "Au	Tiens of Memocis	101	Discussion Group 3R "The Auto-	002		
August  Presentation to Sir Walter Puckey Margate Conference Papers Second Pleany Session. "Technical and Human Problems of the Rt. Hon. The Earl of Halsbury. P. F.B.L.C., F.NST.P. Discussion Group 1D. "The Engineer and the Automatic Factory" by the Rt. Hon. The Earl of Halsbury. — A. Challenge to the Technical College, by C. L. Old, B. S.C. (R.N.G.), A. C. G. C. T. M. M. C.C. R. M. I. PROD. E. M. M. S.C. (R.N.G.), A. C. G. C. T. M. M. M. C. M. L. M. S.C. (R.N.G.), A. C. G. C. T. M. M. M. C. M. L. M. M. C. M. L. M. S.C. (R.N.G.), A. C. G. C. T. M. M. M. C. M. L. M. S.C. (R.N.G.), A. C. G. C. T. M. S.C. (R.N.G.), A. C. G. C. T. M. M. M. C. L. L. M. M. M. C. M. L. M. M			matic Factory How Will The			
August Presentation to Sir Walter Puckey Margate Conference Papers Second Plemary Session. "Technical and Human Problems of the Automatic Factory" by the Rt Hon. The Earl of Habsbury. F.R.I.C., F.INST.P. ———————————————————————————————————						
August  Presentation to Sir Walter Puckey Margate Conference Papers Second Planary Sexion. "Technical and Human Problems of the Automatic Factory" by the R. Hon. The Earl of Halsbury, E.B.L.G., E.NST.P.  Discussion Group 1D. "The Engineer and the Automatic Factory" by the R. Hon. The Earl of Halsbury, E.B.L.G., E.NST.P.  Discussion Group 1D. "The Engineer and the Automatic Factory" by the C. States of College" by C. L. Old, B. s.G. (ENG.), A.G.G. 1.  M.S.G. (ENG.), A.G.G. 1.  M.S.G				500		
matic Office—Industry's Automatic Function to Sir Walter Puckey 489 Presentation to Sir Walter Puckey 489 Margate Conference Papers Second Plemary Session. "Technical and Human Problems of the Automatic Factory" by the Rt. Hon. The Earl of Halsbury. F.R.I.C., FIRST.P			Fletcher	389		
matic Pulse "by D. W. Hooper, Margade Conference Papers Second Peters Vision (Technical and Human Problems of the Automatic Factory by the Rt. Hon. The Earl of Halbury, E.B.L.C., PLENTE, P. Discussion Group 1D. "The Engineer and the Automatic Factory" by the Rt. Hon. The Earl of Halbury, E.B.L.C., PLENTE, P. Discussion Group 1D. "The Engineer and the Automatic Factory"—A Challenge to the Technical College" by C. L. Old, B. s.G. (E.G.), A.C.G. I. M. S.G. (E.G.), A.G. G. I. M. M. S.G. (E.G.), A.G. G. G. M. M. M. C. M. M. M. C. M.				-		
Presentation to Sir Walter Puckey Margade Conference Papers Second Pleany Session. "Acknowledged Conference Papers Second Pleany Session." "Acknowledged Conference Papers September Margade Conference Papers September Margade Conference Papers Margade C	Angust				Lenoir	731
Presentation to Sir Walter Puckey 489 Margate Conference Papers Second Plenary Session. "Technical and Human Problems of the Automatic Factory" by the Rt. Hon. The Earl of Halsbury. F.R.I.C., FJISST.P. Discussion Group ID. "The Engineer and the Automatic Factory"—A Challenge to the Technical College" by C. L. Old, B. S.C. (F.R.C.), A.C. G. I., M. J. M. C. G. J., M. J. M. C. G. J. M. J. M. C. J. M. J. M. C. G. J. M. J. M. C. G. J. M. J. M. C. J. M.	Bast				"The Accountant in Production	
Margate Conference Papers Second Plemary Session. "Technical and Human Problems of the Automatic Factory" by the Rt. Hon. The Earl of Halsbury. E.R.L.C., E.NENT.P. Discussion Group 1D. "The Engineer and the Automatic Factory — A Challenge to the Technical College" by C. L. Old, B. Sc. (E.N.C.), A. C. G. I., M. I.M.E.C., M. I.M.E	Presentation to Sir Walter Puckey	489		595	Engineering" by J. R. Har-	
Second Plenary Session. "Technical and Human Problems of the Automatic Factory" by the Rt. Hon. The Earl of Halsbury. E.R.I.C., E.NST.P			Discussion Group 4B. "Automatic		rowell, F.I.C.A.(AUST.)	739
And Human Problems of the Automatic Factory "by the Rt. Hon. The Earl of Habbury, E.R.L.C., E.NENE, P.  Discussion Group 1D. "The Engineer and the Automatic Factory "A Challenge to the Technical College" by C. L. Old, B. Sc. (ENG.), A. C. G. I., M. S. G. (TECH.), M. INST.C. E., M. I. MECH. E., M. I. PROD. E., Old, B. Sc. (ENG.), A. C. G. I., M. S. G. (TECH.), M. INST.C. E., M. I. MECH. E., M. I. PROD. E., Old, B. Sc. (ENG.), A. C. G. I., M. S. G. (TECH.), M. I. MECH. E., M. I. PROD. E., Old Farmony, Leisure and Plenty?  by Professor B. R. Williams, B.A. (MELB.), M. A. (ADE.)  Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier	Second Plenary Session "Technical		Linking Devices" by I. A. Hunt,		" Industrial Metal Finishing Tech-	
Automatic Factory" by the Rt. Hon. The Earl of Halsbury. F.R.L.C., F.NST.P.  Discussion Group 1D. "The Engineer and the Automatic Factory—A Challenge to the Technical College" by C. L. Old, B. S.C. (ENG.), A. C. G. I., M.S.C. (ENG.), A. G. G. I., M.S.C. (ENG.), M.S.C.						
Report of the Meeting of Council, F.R.L.C., FLINST.P			A.M.I.MECH.E.	602	Organic Coatings" by I I	
FR.LC., F.INST.P.  Discussion Group 1D. "The Engineer and the Automatic Factory—A Challenge to the Technical College" by C. L. Old, B. S.C. (ENG.), A.C. G. I., M.S.C. (ENG.), A.C. (AS. I.) A.F.R.D.E., M.I.PROD.E., A.F.R.A.E.S.  Discussion Group 1E. "The Age of Harmony, Leisure and Plenty." by Professor B. R. Williams, B.A. (MELB.), M.A. (ADE.)  Discussion Group 2B. "Automatic Transfer Machines" by P. Bezier			Report of the Meeting of Council	002	Stordy Rec and W G I	
Discussion Group 1D. "The Engineer and the Automatic Factory—A Challenge to the Technical College" by C. L. Old, B. SC. (ENG.), A. C. G. I., M. SC. (TEGH.), M.INST.C.E., M.I.MEGH.E., M.I.PROD.E., A.F.R.AE.S. " 501 Discussion Group 1E. "The Automatic Factory—The Age of Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A. (MELB.), M.A. (ADE.) Discussion Group 2B. "Automatic Transfer Machines" by P. Bezier " 517 Discussion Group 2B. "Automatic Control in the Petroleum Industry—A Case Study" by I. McCallum, B.SC 535 Discussion Group 2D. "Automatic Control in the Petroleum Industry—A Case Study" by I. McCallum, B.SC 547 News of Members 547 Discussion Group 4A. "News of Members 548 News of Members 547 Discussion Group 4A. "News of Members 548 News of Members 549 News of Members 549 News of Members 540 News of Members 547 Discussion Group 4A. "News of Members 547 News of Members 547 News of Members 547 News of Members 547 News of Members 548 News of Members 548 News of Members 548 News of Members 549 News of Members 549 News of Members 540 News of Members 547 News of Members 547 News of Members 547 News of Members 548 News of Members 548 News of Members 549 News of Members 549 News of Members 549 News of Members 549 News of Members 540 News of Members 540 News of Members 540 News of Members 541 News of Members 544 News of Members 545 News of Members 545 News of Members 545 News of Members 546 News of Members 547 News of Members 547 News of Members 548 News of Memb		100		622		
neer and the Automatic Factory —A Challenge to the Technical College "by C. L. Old, B.S.C.(ENG.), A.C.G.T., M.I.M.SCH.E., M.I.PROD.E., A.F.R.A.E.S	F.R.I.C., F.INST.P		The Standing Committees	044		
A. Challenge to the Technical College "by C. L. Old, B. SC. (ENG.), A. C. G. I., M. M. S. (TECH.), M. INST. C. E., M. I. MECH. E., M. I. PROD. E., A. F. R. AE. S			1055 56	695		
College" by C. L. Old, B.S.C.(ENG.), A.C.G.I., M.S.C.(ENG.), A.C.G.I., M.S.C.(ENG.), A.C.G.I., M.S.C.(ENG.), A.C.G.I., M.J.MECH.E., M.I.PROD.E., A.F.R.A.E.S.  Discussion Group 1E. "The Automatic Factory—The Age of Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A.(MEL.B.), M.A.(ADE.). Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier						
Reports 631  Reports 71  Reports 72  Reports 73  Reports 74  Reports 72  Reports 75  Report Report Reports 75  Reports 75  Reports 75  Reports 75  Report Production — Report of the Council Discussion Group 2D. News of Members	—A Challenge to the Technical			626	Hazleton Memorial Library	771
Reports M.S.C. (ENG.), A.C.G.I., M.S.S.C.(ENG.), A.C.G.I., M.S.S.C.(ENG.), A.C.G.I., M.I.MECH.E., M.I.PROD.E., A.F.R.A.E., M.F.R.A.E., M.S	College" by C. L. Old,					
M.S.C.(TECH.), M.INFROLE., M.I.NECH.E., M.I.PROD.E., A.F.R.AE.S. Discussion Group 1E. "The Automatic Factory—The Age of Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A.(MELB.), M.A.(ADE.). Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier	B.SC. (ENG.). A.C.G.I					
M.I. MECH.E., M.I.PROD.E., A.F.R.A.E.S	M.SC. (TECH.). M.INST.C.E		The Schofield Scholarships, 1956	631		
Production   Solution   Solutio	M.I. MECH.E. M.I. PROD.E.		Higher Degrees in Engineering			
Discussion Group IE. "The Automatic Factory—The Age of Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A.(MELB.), M.A.(ADE.).  Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier  Discussion Group 2B. "Automatic Transfer Machines" by P. Bezier  Discussion Group 2B. "Automatic Transfer Machines" by P. Bezier  Discussion Group 2B. "Automatic Control in the Petroleum Industry—A Case Study" by I. McGallum, B.Sc  Discussion Group 2D. "Automatic Control in the Petroleum Industry—A Case Study" by I. McGallum, B.Sc  McGallum, B.Sc  Discussion Group 4A. "Automatic Controlled Machine Tools" by D. T. N. Williamson  Balleton Memorial Library  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MEGILE., M. Machines in the Service of Man" by F. G. Woollard, M.B.E., M. M.MEGILE., M. M.EM.EGILE., M. M.EM.EGILE., M. M.EM.EGILE., M. M. MEGILE., M. M. Mediles in the Service of Man" by F. G. Woollard, M.B.E., M. M.MEGILE., M. M. Mediles. Selection for production of Consumer Goods" by B. H. Dyson, I.PROD.E., 1.1.A  77 Production of Consumer Goods" by B. H. Dyson, I.PROD.E., A.M.I.E.E., M.I.PROD.E., A.I.MEGILE., 75 Gear Measurement and Allied Subjects by F. J. Everest, M.Sc., A.C.G.I., D.I.C., M.I.MEGILE., 75 Gear Measurement and Allied Subjects by G. T. N. Williamson 639 D. T. N. Williamson 639 D. T. N. Williamson 649 D. T. N. Williamso				632	December	
Experiment	Discussion Crout 1F "The Auto	301			"D : :	
Harmony, Leisure and Plenty?" by Professor B. R. Williams, B.A. (MELE.), M.A.(ADE.) Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier Discussion Group 2B. "Automatic Transfer Machines or the Board- room" by M. Seaman, M.S.C., M.I.MECH.E., M.I.PROD.E 535 New Building Fund Appeal 546 News of Members Margate Conference Papers Third Plenary Session. "Machines in the Service of Man "by F. G. Woollard, M.B.E., M.D.RECH.E., M.D.R	Discussion Group IE. The Auto-	r		633		
by Professor B. R. Williams, B.A. (MELB.), M.A. (ADE.).  Discussion Group 24. "Automatic Transfer Machines" by P. Bezier	mane ractory—the Age of					
B.A.(MELB.), M.A.(ADE.)  Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier  Discussion Group 2B. "Automation —Some Problems for the Board- room" by M. Seaman, M.Sc., M.I.MECH.E., M.I.PROD.E  Discussion Group 2D. "Automatic Control in the Petroleum In- dustry—A Case Study" by I.  McCallum, B.Sc  New Building Fund Appeal  Mew Building Fund Appeal  Discussion Group 4D. T. N. Williamson  Discussion Group 4D. T. N. Williamson  Discussion Group 4D. "Automatic Control in the Petroleum In- dustry—A Case Study" by I.  McCallum, B.Sc  Discussion Group 4D. "Automatic Controlled Machine Tools" by D. T. N. Williamson  Discussion Group 4D. "Prerequisites of the Automatic Chemical Factory by A. J. Young, B.A., B.Sc  Discussion Group 4A. "Automatic Selection, Weighing and Con- veying—Quality and Quantity by Remote Control" by P. Bourgeois  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man "by F. G.  Woollard, M.B.E., M.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., M.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., M.LMECH.E.,  M.LPROD.E., A.LMECH.E.,  M.LPROD.E., M.LMECH.E.,  M.LPROD.E	Harmony, Leisure and Plenty:		rews of Memocis	031	Goods" by B. H. Dyson,	
Discussion Group 2A. "Automatic Transfer Machines" by P. Bezier					I.PROD.E., F.I.I.A	775
Transfer Machines" by P. Bezier	B.A.(MELB.), M.A.(ADE.)	. 510			"Productivity in the Manufacture	
Transfer Machines" by P. Bezier	Discussion Group 2A. "Automatic				of Worm Gear Units" by	
Discussion Group 2B. "Automation —Some Problems for the Board- room" by M. Seaman, M.Sc., M.I.MECH.E., M.I.PROD.E 535  Discussion Group 2D. "Automatic Control in the Petroleum In- dustry—A Case Study" by I. McCallum, B.Sc 539  New Building Fund Appeal 546 News of Members 557  Hazleton Memorial Library 550  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E., M.M.LECH.E., A.M.I.E.E., M.I.PROD.E., A.I.MECH.E., A.M.I.E.E., M.I.PROD.E., M.I.PROD.	Transfer Machines" by P.					
October  Discussion Group 2B. "Automation —Some Problems for the Board- room" by M. Seaman, M.S.C., M.I.MECH.E., M.I.PROD.E 535  Discussion Group 2D. "Automatic Control in the Petroleum In- dustry—A Case Study" by I. McCallum, B.S.C 537  New Building Fund Appeal 546  News of Members 547  Hazleton Memorial Library 550  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woodlard, M.B.E., M.I.MECH.E., Some Aspects of Education— Report of the Council Discussion Group 3D. "Computer- controlled Machine Tools" by D. T. N. Williamson 649  Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., B.S.C 659  Discussion Group 4A. "Automatic Selection, Weighing and Con- veying—Quality and Quantity by Remote Control " by P. Bourgeois 670  Plastics — Materials, Processes and Plant " by D. C. Nicholas in the Service of Man " by F. G. Woollard, M.B.E., M.J.MECH.E., 77  "Gear Measurement and Allied Subjects " by C. Timms, M.E.B.C 77  "Materials Series of Case Studies 80  Free of Case Studies 80  Series of Case Studies 80  The Annual Dinner, 1955 81  Automation—The Institution's Policy "  "Allied Subjects" by C. Timms, M.E.B.C., M.J.MECH.E., M.J.PROD.E 77  Materials Series of Case Studies 80  Free of the Automatic Chemical Factory " by A. J. Young, B.A., B.SC 659  "Automation—The Institution's Policy "  "Allied Subjects" by C. Timms, M.E.B.C., M.J.MECH.E., M.J.PROD.E 77  "Materials Series of Case Studies 80  Feront of the Meeting of Council, October, 1955 81  "Automation—The Institution's Policy "  "Automation The Petroleum In- dathing Tool Subject Index to Papers pub- lished January/December,	Bezier	. 517				
September  —Some Problems for the Boardroom " by M. Seaman, M.S.C., M.I.MECH.E., M.I.PROD.E 535  Discussion Group 2D. "Automatic Control in the Petroleum Industry—A Case Study" by I. McCallum, B.s.C 539  New Building Fund Appeal 546  News of Members 547  Hazleton Memorial Library 550  September  Margate Conference Papers  Discussion Group 4C. "Percequisites of the Automatic Chemical Factory" by A. J. Young, B.A., B.S.C 659  Margate Conference Papers  Margate Conference Papers  Margate Conference Papers  Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E., M.I.MECH.E., M.I.MECH.E., M.I.MECH.E., 70  Margate Conference Papers  Plastics — Materials Tools "by D. C. Nicholas "Some Aspects of Education For Production Engineering" by H.  M.I.PROD.E., A.I.MECH.E., 12  M.I.PROD.E., M.I.MECH.E., 12  Mallied Subjects "by C. Timms, M.ENG., M.I.MECH.E., 12  "Materials Handling" — A Series of Case Studies The Annual Dinner, 1955 80  Council, October, 1955 81  "Automation—The Institution's Policy " 81  Election of Members 82  Extracts from Local Section Reports 82  Institution Notes 83  The Hazleton Memorial Library News of Members 83  Some Aspects of Education for Production Engineering by H.	Discussion Group 2B. " Automation	1	October			770
Higher Technological Education— Report of the Council Discussion Group 2D. "Automatic Control in the Petroleum Industry—A Case Study" by I. McCallum, B.Sc			00.0001		M.I.PROD.E., A.I.MECH.E.	//8
Report of the Council Discussion Group 2D. "Automatic Control in the Petroleum Industry—A Case Study" by I.  McCallum, B.Sc 539 New Building Fund Appeal 546 News of Members 547 Hazleton Memorial Library 550  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E., 539  Report of the Council Discussion Group 3D. "Computer controlled Machine Tools" by D. T. N. Williamson 649  Discussion Group 4D. "Perequisites of the Automatic Chemical Factory" by A. J. Young, B.A., B.Sc 659  Discussion Group 4A. "Automatic Chemical Factory" by A. J. Young, B.A., B.Sc 659  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E., 535  Report of the Council Discussion Group 3D. "Computer controlled Machine Tools" by D. T. N. Williamson 649  Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., B.Sc 659  Discussion Group 4A. "Automatic Chemical Factory" by A. "Automation—The Institution's Policy" 81  Election of Members 82  Timms, M.ERG., M.I.MECH.E., M.J.PROD.E 79  Materials Series of Case Studies 80  The Annual Dinner, 1955 80  Council, October, 1955 81  Automation—The Institution's Policy" 82  Election of Members 82  Institution Notes 82  The Hardling "—A  News of Members 82  The Hardling "—A  Series of Case Studies 80  Report of the Conference Papers on the Machine and Papers of Council Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. "Automation—The Institution's Policy" 81  Election of Members 82  The Hardling "—A  News of Members 84			Higher Technological Education—		Gear Measurement and	
September  September  Margate Conference Papers  Some Aspects of Education for Production Engineering "by H.  sion held in July, 1955 639  Margate Conference Papers  Mil.PROD.E 79  Materials Handling "— A Series of Case Studies 80  Margate Conference Papers  Materials Handling "— A Series of Case Studies 80  The Annual Dinner, 1955 80  Report of the Meeting of Council, October, 1955 81  Automation—The Institution's Policy " 81  Election of Members 82  Enstracts from Local Section Reports 82  Institution Notes 82  Institution Notes 82  Institution Notes 82  Institution Notes 83  The Hazleton Memorial Library 84  News of Members 82  Institution Notes 83  The Hazleton Memorial Library 84  News of Members 82  Institution Notes 83  Institution Notes 84  Inst						
Control in the Petroleum Industry—A Case Study" by I.  McCallum, B.sc 539 New Building Fund Appeal 546 News of Members 547 Hazleton Memorial Library 550  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Study" by I.  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Study" by I.  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Study" by I.  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Margate Conference Papers Discussion Group 42. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., B.S.  Discussion Group 42. "Prerequisites of the Automatic Chemical Factory" by A. "Automation—The Institution's Policy"  New Materials Handling" — A Series of Case Studies  Report of the Meeting of Council, October, 1955  Report of the Meeting of Counc				639	Timms, M.ENG., M.I.MECH.E.,	
dustry—A Case Study "by I.  McCallum, B.Sc 539 New Building Fund Appeal 546 News of Members 547 Hazleton Memorial Library 550  New Building Fund Appeal 546 News of Members 547 Hazleton Memorial Library 550  September  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man "by F. G. Woollard, M.B.E., M.J.MECH.E.,"  Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., Bourgeois 659  September  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E.,  Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., Bourgeois 659  September  Discussion Group 4C. "Prerequisites of the Automatic Chemical Factory" by A. J. Young, B.A., Bourgeois 659  Plastics — Materials Series of Case Studies 80  The Annual Dinner, 1955 80  Council, October, 1955 81  Automation—The Institution's Policy" 82  Election of Members 82  Estracts from Local Section Reports 82  Institution Notes 82  The Handling — A  Series of Case Studies 80  Council, October, 1955 81  Automation—The Institution's Policy" 82  Election of Members 82  Institution Notes 82  News of Members 82  News of Members 80  Report of the Meeting of Council, October, 1955 81  Automation—The Institution's Policy" 82  Election of Members 82  Institution Notes 82  News of Members 84  News of Members 84  News of Members 84  News of Members				000	M.I.PROD.E	792
McCallum, B.Sc			Discussion Growth 2D "Commutar		"Materials Handling" — A	
New Building Fund Appeal 546 News of Members 547 Hazleton Memorial Library 550  News of Members 550  News of Members 550  Hazleton Memorial Library 550  September			Discussion Group 3D. Computer-			805
News of Members 547 Hazleton Memorial Library 550  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.LMECH.E.,  Discussion Group 4A. "Automatic Chemical Factory" by A. J. Young, B.A., B.SC		~ 40	controlled Machine Loois by	C40		808
Automatic Chemical Factory" by A. J. Young, B.A., B.S.G		F 4 =	D. I. N. Williamson	049		000
Factory" by A. J. Young, B.A., B.G					Council October 1955	915
B.S.C	Hazleton Memorial Library	. 550	of the Automatic Chemical		"Automation The Institution's	
B.S.C			Factory " by A. J. Young, B.A.,		Police "	010
Discussion Group 4.1. "Automatic Selection, Weighing and Conveying—Quality and Quantity by Remote Control "by P. Bourgeois 670   Institution Notes 82   Institution Notes 85   Institution Notes 87   Institution Notes 87   Institution Notes 87   Institution Notes 88   Institution Notes 89   Institution Notes 89   Institution Notes 80   Institution Notes 80   Institution Notes 80   Institution Notes 80   Institution Notes 81   Institution Notes 82   Institution Notes 82   Institution Notes 82   Institution Notes 83   Institution Notes 84   Institution Notes 85   Institution Notes 85   Institution Notes 86   Institution Notes 87   Institution Notes 88   Institution Notes 89   Institution Notes 89   Institution Notes 89   Institution Notes 89   Institution Notes 80   Institution Note			B.SC	659		
September  September  September  Margale Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E.,  Selection, Weighing and Conveying—Quality and Quantity by P. Bourgeois 82  The Hazleton Memorial Library Reports 83  The Hazleton Memorial Library News of Members 83  Some Aspects of Education for Subject Index to Papers published January/December,			Discussion Group 4A. "Automatic			820
veying—Quality and Quantity by Remote Control" by P. Bourgeois 670  Margate Conference Papers Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.J.MECH.E., Production Engineering "by H.  September  Reports 82 Institution Notes 82 The Hazleton Memorial Library 8 News of Members 83 News of Members 83 Institution Notes 83 News of Members 84 News of Members 84 News of Members 84 News of Members 84 News of Members 85 News of Members 83 News of Members 84 New			Selection, Weighing and Con-			
Bourgeois 670  Margate Conference Papers "Plastics — Materials, Processes Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E., "Production Engineering" by H.  Bourgeois 670  "Plastics — Materials, Processes News of Members 83  Journal Contents, Vol 34, 1955 83  Subject Index to Papers published January/December,			veying-Quality and Quantity			
Bourgeois 670  Margate Conference Papers "Plastics — Materials, Processes Third Plenary Session. "Machines in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E., "Production Engineering" by H.  Bourgeois 670  "Plastics — Materials, Processes News of Members 83  Journal Contents, Vol 34, 1955 83  Subject Index to Papers published January/December,	Santambar		by Remote Control " by P.			828
Margate Conference Papers  Third Plenary Session. "Machines in the Service of Man" by F. G.  Woollard, M.B.E., M.I.MECH.E.,  Plastics — Materials, Processes and Plant" by D. C. Nicholas  Some Aspects of Education for Production Engineering by H.  News of Members  Journal Contents, Vol 34, 1955  Subject Index to Papers published January/December,	september		Bourgeois	670		
Third Plenary Session. "Machines and Plant" by D. C. Nicholas 676 Journal Contents, Vol 34, 1955 83 in the Service of Man" by F. G. Woollard, M.B.E., M.I.MECH.E., Production Engineering by H. Journal Contents, Vol 34, 1955 83 Subject Index to Papers published January/December,	Margate Conference Papers		"Plastics - Materials Processes	0.0		830
in the Service of Man" by F. G.  Woollard, M.B.E., M.I.MECH.E.,  "Some Aspects of Education for Subject Index to Papers published January/December,	Third Plenary Session " Machine	e	and Plant " by D. C. Nicholos	676		
Woollard, M.B.E., M.I.MECH.E., Production Engineering "by H. lished January/December,				370		
M.L.PROD.E., M.L.I.A., M.S.A.E 333 DOGG, A.M.I.PROD.E 092 1933 83				600	1055	
	M.I.PROD.E., M.I.I.A., M.S.A.E	. 333	Dodd, A.M.I.PROD.E	092	1933	034

# SUBJECT INDEX TO PAPERS PUBLISHED JANUARY/DECEMBER 1955

Accountancy "The Accountant in Production Engineering" by J. R. Harrowell 75	39	"Automation—Some Problems for the Manager" by F. Garner. ("The Automatic Factory—What Does It Mean?")	
Aircraft "Aircraft Design Problems and Trends" by A. E. Woodward-Nutt.		(National Conference, Margate, 1955)	431
(Aircraft Production Conference, No. 3, Southampton, 1955)	33	(National Conference, Margate, 1955)	501
	05	Factory—What Does It Mean?") (National Conference, Margate, 1955) "Machines in the Service of Man" by Frank G. Woollard.	582
"Machining and Forming Problems of Integral Con- struction" by E. D. Keen and A. W. Menzies. (Aircraft Production Conference, No. 3, Southampton, 1955)	58	("The Automatic Factory—What Does It Mean?") (National Conference, Margate, 1955) "Prerequisites of the Automatic Chemical Factory" by A. J. Young. ("The Automatic Factory—What Does It	555
"Where do we go from Here?" by W. E. W. Petter. (Aircraft Production Conference, No. 3, Southampton,	78	Mean?") (National Conference, Margate, 1955) "Technical and Human Problems of the Automatic Factory" by the Earl of Halsbury. ("The Automatic	659
1955) 2 Army	27	Factory—What Does It Mean?") (National Conference, Margate, 1955)	496
"The Corps of Royal Electrical and Mechanical Engineers and the Application of Modern Management and Production Technique" by W. A. Lord.	60	Automobiles "Designing for Production—The Motor Car" by Sir Leonard Lord	711
Australia	68	"A Quarter-century of Progress in Ford Production Methods" by J. McNulty	239
	280	Boots see; Shoes and Boots.	
Automatic Linkages  "Automatic Linking Devices" by J. A. Hunt and J. B. Jay. ("The Automatic Factory—What Does It Mean?") (National Conference, Margate, 1955)	602	Clocks and Watches "Progress of British Clock and Watch Production" by R. Lenoir	731
Automatic Weighing "Automatic Selection, Weighing and Conveying" by P. Bourgeois. ("The Automatic Factory—What Does It Mean?")		Colour Printing see: Printing, Colour.  Compressed Air "Compressed Air in Aircraft Production—A User's	
	670	Experience " by W. E. Wright. (Compressed Air Conference, Camborne, 1955)	334
Automation  see also: Automatic Inspection; Automatic Linkag  Automatic Weighing; Electronic Computers  Electronic Control; Machine Tool Control, El	s;	Computers, Electronic see: Electronic Computers.	
tronic; Transfer Machines. "Automatic Control in the Petroleum Industry—A Case		see: Tools, Cutting.	
Study" by I. McCallum. ("The Automatic Factory—What Does It Mean?")		Design "What is Good Design?" by Sir Walter Puckey	17
(National Conference, Margate, June, 1955)	539	Disabled Workers "Medical and Industrial Rehabilitation in Great Britain" by T. M. Ling	695
(National Conference, Margate, 1955)	406	Education see also: Work Study—Training.	
React?" by E. Fletcher. ("The Automatic Factory—What Does It Mean?")	589	"Education and Research for Production" by K. J. Hume "Education and Research for Production" by C. L. Old "Education and Research for Production" by H. W.	201
"The Automatic Factory—The Age of Harmony, Leisure and Plenty?" by B. R. Williams. ("The Automatic Fac-	303	Wright-Baker " "Education and Research for Production" (discussion of	1
tory—What Does It Mean?")	510	the findings of the 3rd Aircraft Production Conference) by E. J. Richards	129
(National Conference, Margate, 1955. Papers) 406, 421, 431, 449, 496, 501, 510, 517, 535, 555, 563, 575, 582, 589, 595, 6	539, 602,	"Education and Research for Production" (Speech at the Annual Dinner of Old Centralians and City and Guilds College) by Lord Hives	65
"Automatic Mechanical Project Factory—A Sight of Things to Come" by H. J. Graves. ("The Automatic Factory—What Does It Mean?")	670 421	to the Technical College" by C. L. Old. ("The Automatic Factory—What Does It Mean?") (National Conference, Margate, 1955) "The Engineer and The Automatic Factory—A Challenge to the University" by T. U. Matthew. ("The Automatic	501
"Automation—Some Problems for the Boardroom" by M. Seaman. ("The Automatic Factory—What Does It		Factory—What Does It Mean?") (National Conference, Margate, 1955) "Some Aspects of Education for Production Engineering"	
Mean?") (National Conference, Margate, 1955)	535	by H. Dodd	692

Electronic Computers		Management	
"The Automatic Office—Industry's Electronic Pulse" by Dudley W. Hooper. ("The Automatic Factory—What		"The Corps of Royal Electrical and Mechanical Engineers and the Application of Modern Management and Produc-	
Does It Mean?") (National Conference, Margate, 1955)	595	tion Techniques" by W. A. Lord. (The 1954 Viscount	68
"Computer-controlled Machine Tools" by D. T. N.	333	Nuffield Paper)	00
Williamson. ("The Automatic Factory—What Does It Mean?")		Nomenclature Cutting Tools see: Tools, Cutting—Nomenclature.	
(National Conference, Margate, 1955)	649	Petroleum Refining	
"The Computer-Electronics' Contribution to Produc-		"Automatic Control in the Petroleum Industry—A Case Study" by I. McCallum. ("The Automatic Factory—	
tion" by R. H. Booth. ("The Automatic Factory-What		What Does It Mean?")	
Does It Mean?")	442	(National Conference, Margate, 1955)	539
(National Conference, Margate, 1955) Electronic Control	112	Plastics	
see also: Electronic computers; Machine tool control, electronic.		see also: Terylene. "Plastics—Materials, Processes and Plant" by D. C.	
"Atoms, Electrons and Automation" by A. G. Peacock.			676
(" The Automatic Factory-What Does It Mean?")		Printing, Colour "Colour Printing Process and Production in a Printing	
(National Conference, Margate, 1955)	449	Industry " by H. J. Jarrold	32
Electronics		Production Planning and Control	
see also: Electronic Computers; Electronic Control; Machine Tool Control, Electronic.		"Production Control in Industry" by F. G. S. English  Railway Workshops	697
"The Practical Uses of Electronics in Industry" by K. A. Zandstra	288	"Production Methods in Railway Workshops" by T. B.	
Fibres, Synthetic	200	Maddison	<b>35</b> 6
see also: Terylene.		Research	
" Engineering and Production Aspects of Synthetic Fibre		"Education and Research for Production" by K. J.	261
Manufacture" by R. Douglas. (The 1954 George Bray	460	"Education and Research for Production" by C. L. Old	201
Memorial Lecture)	100	"Education and Research for Production" by H. W.	
Finishing "Industrial Metal Finishing Technique and Practice—		Wright-Baker	1
Paints and Organic Coatings" by J. J. Stordy and		"Education and Research for Production" (discussion of	
W. G. J. Appleton	752	the findings of the 3rd Aircraft Production Conference) by E. J. Richards	129
Ford Motor Company, Dagenham		"Education and Research for Production" (speech at the	123
"A Quarter-century of Progress in Ford Production	000	Annual Dinner of Old Centralians and City and Guilds	
Methods " by J. McNulty	239	College) by Lord Hives	65
FORGING "Problems of Forging" by G. W. Richards.		Rolling Mills	
(Aircraft Production Conference, No. 3, Southampton, 1955)	152	"Modern Cold Rolling Mills" by G. W. Ashton	111
Gas Turbines		Royal Electrical and Mechanical Engineers	
"Gas Turbines-Basic Principles and Production Prob-		"The Corp of Royal Electrical and Mechanical Engineers	
lems" by C. E. Wurr	714	and the Application of Modern Management and Produc- tion Techniques" by W. A. Lord. (The 1954 Viscount	
Gears—Measurement "Gear Measurement and Allied Subjects" by		Nuffield Paper)	68
"Gear Measurement and Allied Subjects" by C. Timms	792	Shoes and Boots	
Inspection, Automatic	13-	"Development of Machine Production in the Shoe In-	
see: Automatic inspection.		dustry" by J. H. Britton	28
Integral Construction		Synthetic Fibres	
"Machining and Forming Problems of Integral Con-		see: Fibres, synthetic; Terylene.	
struction" by E. D. Keen and A. W. Menzies. (Aircraft Production Conference, No. 3, Southampton, 1955)	158	Terylene "The Industrial Uses of 'Terylene' Polyester Fibre" by	
Jig Boring Machinery	130	D. N. Marvin	231
"The Development and Manufacture of Jig Boring		Tools, Cutting—Nomenclature	-
Machinery " by W. H. Jaye	5	"The Basic Nomenclature of Cutting Tools" by George	
Job Evaluation	100	V. Stabler	264
"A Job-evaluated Wages Structure" by R. N. Marland	102	Trade Unions	
Labour Costs "Time, Space and Productivity" by A. B. Waring	36	"The Automatic Factory-How Will The Trades Unions	
Machine Shop Practice	30	React?" ("The Automatic Factory—What Does It	
"Some Provocative Thoughts on Aircraft Tooling		Mean?") (National Conference Margate 1955)	589
Methods" by S. P. Woodley	378	(National Conference, Margate, 1955)	309
Machine Tool Control, Electronic		Transfer Machines "Automatic Transfer Machines" by P. Bezier. ("The	
"Automatic Electronic Control of Machine Tools" by J. A. Stokes. ("The Automatic Factory—What Does It		Automatic Factory—What Does It Mean?")	
Mean?")		(National Conference, Margate, 1955)	517
(National Conference, Margate, 1955)	575	"Automatic Transfer Production" by Frank G. Woollard	85
"Computer-controlled Machine Tools" by D. T. N.		Ultrasonic Machining	
Williamson. ("The Automatic Factory—What Does It		cee: Machining, Ultrasonic.	
Mean?") (National Conference, Margate, 1955)	649	Wages and Salaries "A Job-evaluated Wages Structure" by R. N. Marland	102
Machine Tools	010		102
"High Speed Machine Tools for Aircraft Production" by		Work Study—Training "Training in Work Study with detailed reference to the	
S. Radcliffe.		case study method in Applied Work Study "by J. Purcell	305
(Aircraft Production Conference, No. 3, Southampton, 1955) "The Significance of Machine Tools in the Australian	205	Workshop Technology—Railway workshops	200
Economy" by H. Grafton	280	see: Railway workshops.	
		Worm Gears	
Machining, Ultrasonic "Ultrasonic Tools for Hard-to-machine Materials" by		"Productivity in Worm Gear Unit Manufacture" by	
I. P. Aloisio and N. Clark, Ir	315	F. J. Everest	778